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	Green. 7	<i>fust</i>	U.	S. PATENT DOCUMENTS	<u> </u>			
Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING If Appr	
A1	4	5,417,972	05/23/95	Bhat et al.	424	137.1	-	
*	de	3,906,092	09/16/75	Hilleman et al.	424	89		
*	ιώ_	5,248,670	09/28/93	Draper et al.	514	44		
A2	de	5,445,938	08/29/95	Hanai et al.	435	7.23		
A3	0	5,491,088	02/13/96	Hellstrom et al.	435	240.24		
*	de	5,585,479	12/17/96	Hoke et al.	536	24.5		
*	de	5,663,153	09/02/97	Hutcherson et al.	514	44		•
*	de	5,723,335	03/03/98	Hutcherson et al.	435	375		
A4	2	5,756,097	05/26/98	Landucci et al.	424	155.1		
*	4	5,786,189	07/28/98	Locht et al.	435	172.3		
A5	d	5,837,243	11/17/98	Deo et al.	424	136.1		
*	di	5,849,719	12/15/98	Carson et al.	514	44		
			FORE	LIGN PATENT DOCUMENTS				
		Country &	Pub.			Sub	Trans	lation
	<del>                                     </del>	Doc. No. (11)	Date (43)	DOID.	Class	Class	Yes	No
*	2	WO 91/12811	09/05/91	PCT wo	-A61K	<del>31/70</del>		
*	d	0468520 A3	01/29/92	GD GP	A61K	<del>-31/70</del>		
*	d	WO 92/03456	03/05/92	PCT WO	€07H	<del>-15/12</del>		-
*	04	WO 92/18522	10/29/92	PCT WO	- <del>C07H</del>	2 <del>1/00-</del>		
*	8	WO 92/21353	12/10/92	PCT- wo	-A61K*	<del>-31/70-</del>		
*	de	0302758 <del>-81</del> %\	03/16/94	EPO EP	C12N-	15/37-		
*	L	WO 94/19945	09/15/94	PCT wo	A01N	43/04		
*	2	WO 95/05853	03/02/95	Regents of the University of CA wo				
	1 .	WO 95/26204	10/95	PCT wo	A61K-	48/00		
*				DCT				
*	de	WO 96/02555	02/01/96	TOT WID				
	K	WO 96/02555 WO 96/35782	02/01/96	Applied Research Systems Wn				
*	4	·		Applied Research Systems wo		— — <del>-15/00 -</del>		1:
*	K	WO 96/35782	11/14/96					
*	4	WO 96/35782 WO 97/28259	11/14/96	Applied Research Systems wo		 -15/00 -21/00 -49/00		

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		OF PATENTS AN		C1039/7021		09/33	7,619	
		IONS FOR APPLI IATION DISCLOS						
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				APPLICANT: Krieg	CDOV	D 1615		
*		WO 98/52581	11/26/98	FILING DATE: June 21, 1999 PCT	A61K	P 1617	ļ	<del></del>
*	N-	WO 98/14210	04/09/98	PCT WO	<del>A61K-</del>	3 <del>9/35 -</del>		
	1•			OTHER ART	<u> </u>	<u></u>		1
*				Title, Date, Pertinent Pages, Publicating Space Properties of the Pages Properti		raction W	ith Alo A	la Ara at
	d			yed DNA-binding domain of CREB. Proc No.				
*	de	• , , ,		Alien By Immune System, New York Times,				
*	d.			of a Phosphorothioate Oligonucleotide Compe- e-Early Region. Antimicrobial Agents and C				nan
*	de		and Immuno	logical Studies on Cellular Components of T	ubercle Ba	cilli, <i>Kekk</i>	aku, Vol.	69,
*	di	Ballas ZK et al., Indu	9:45-55, 1992.  Ballas ZK et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. <i>J Immunol</i> 157(5):1840-5, 1996.					
*	X	Bayever, E., Systemi	c Administrat ous leukemia	tion of a Phosphorothioate Oligonucleotide wand Myelodysplastic Syndrome: Initial Resul				
*	di	Bennett RM et al., D	NA binding to	o human leukocytes. Evidence for a receptor- evest 76(6):2182-90, 1985.	mediated a	ssociation	, internal	ization,
*		Berg DJ et al., Interleukin-10 is a central regulator of the response to LPS in murine models of endotoxic shock and the Shwartzman reaction but not endotoxin tolerance. <i>J Clin Invest</i> 96(5):2339-47, 1995.						
C1 ~		Bernhard, M., et al.	Bernhard, M., et al., "Monocyte Macrophage Mediated Antibody Depedent and Independent Cell Mediated					
*	<b>X</b>			ncer Patients, ABSTRACT, Proceedings of mma induction by lipopolysaecharide: depen				
*		macrophages. J Imm			olecular a	nd Riocha	mical	
	de	Blaxter et al., Genes expressed in Brugia malayi infective third stage larvae. <i>Molecular and Biochemical Parasitology</i> , 77:77-93.						
*	di	Boggs RT et al., Characterization and modulation of immune stimulation by modified oligonucleotides. <i>Antisense Nucleic Acid Drug Dev</i> 7(5):461-71, Oct 1997.						
*	X	Branda RF et al., Amplification of antibody production by phosphorothioate oligodeoxynucleotides. <i>J. Lab Clin Med</i> 128(3):329-38, Sep 1996.						
*	4	Pharmacology, Vol.	Branda et al., Immune Stimulation by an Antisense Oligomer Complementary to the rev gene of HIV-1. <i>Biochemical Pharmacology</i> , Vol. 45, 10:2037-2043, 1993.					
*	4	Cell Biol 10(1):422-5	5, Jan 1990.	de-unresponsive mutant pre-B-cell lines bloc		••		Mol
*	Ĺ	Immunopathology, (	1993), 68:3:32					
*	7			series I repeats in the simian cytomegalovirusers and cyclic AMP response elements. J V				oter
*	4	Chu RS et al., CpG o 186(10):1623-31, 17	ligodeoxynuc Nov 1997.	leotides act as adjuvants that switch on T hel	per 1 (Th1	) immunit		Med
C2	X	Cohen, J., et al., "II	12 Deaths:	Explanation and a Puzzle", Science, 10:27	0:5238:90	8		

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EODA	# DTO	1440 (74 1:00 8	A TOTAL DOGUMENTO			
FORN	IPTO	-1449 (Modified IRADELLINE) OF PATENTS AND	ATTY. DOCKET NO.	SERIAL NO		
	LIST	OF PATENTS AND	C1039/7021	00/227 610		
PUBLICATIONS FOR APPLICANT'S C1039/7021 09/337,619						
1		MATION DISCLOSURE		·		
		STATEMENT				
		441	APPLICANT: Krieg			
			FILING DATE: June 21, 1999	GROUP 1617		
C3	1		netics of a 14 C-Labeled Phosphorothioate (			
	0		Rats", The Journal of Pharmacology and E	Experimental Therapeutics, 269:1:89-		
*		94, (1993) Cowdery IS et al. Bacterial DNA	induces NK cells to produce IFN-gamma in	vivo and increases the toxicity of		
	de,	lipopolysaccharides. <i>J Immunol</i> 15	6(12):4570-5, 15 Jun 1996.	vivo and mercases the toxicity of		
*	~ .	Crosby et al., The Early Responses	Gene FGFI-C Encodes a Zinc Finger Transc	criptional Activator and is a Member of		
	di		t-Binding Protein Family. Mol. Cell. Biol., 2			
*	~	•	ans: Early Lessons and Obstacles to Success.	* ***		
* -			IL-10) inhibits human-lymphocyte-interferon			
C4			r/IL-12 synthesis in accessory cells. <i>J-Exp M</i> toxic T lymphocytes by intramuscular imr			
2	12		ed cells", Proc. Natl. Acad. Sci., 93:8578-85			
*	,		ed Oligonucleotides as Probes and Inhibitors	, Angew. Chem. Int. Ed. Engl., 30:613-		
	d.	629, 1991.	1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M	. (200)		
*	×.	Erb KJ et al., Infection of mice with Mycobacterium bovis-Bacillus Calmette-Guerin (BCG) suppresses allergen-induced airway eosinophilia. <i>J Exp Med</i> 187(4):561-9, 16 Feb 1998.				
*	1	Etlinjer, Carrier sequence selection - one key to successful vaccines, <i>Immunology Today</i> , Vol. 13, 2:52-55, 1992.				
*	<del>'                                    </del>	Fox RI, Mechanism of action of hydroxychloroquine as an antirheumatic drug. Chemical Abstracts, 120:15, Abstract				
	No. 182630 (April 29, 1994).					
C5	K		2: A Recently Discovered Cytokine with p Tumors", Cancer Investigation, 11:4:500-5			
*	on.	Gura, T., Antisense Has Growing I	Pains. Science (1995), 270:575-576.			
*	di	Hadden J et al., Immunostimulants	. TIPS, (1993), 141:169-174.			
*	da	Hadden J et al., Immunopharmaco	logy, JAMA, (1992) 268:20:2964-2969.			
*	Halpern MD et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and					
66	di	tumor necrosis factor-alpha. Cell In				
C6	1	Cells", <i>Proc. Natl. Acad. Sci.</i> , 96:9	.: A potent signal for growth, activation, a 305-9310. (1999)	na maturation of numan dendritic		
*	Hatrfold L. Palagge of Farly Human Hamatanaiatic Programitors from Quiaggange by Antigana Transforming Crouth					
	2	Factor β1 or Rb Oligonucleotides, J. Exp. Med., (1991) 174:925-929.				
*	1	Highfield PE, Sepsis: the More, the	e Murkier. Biotechnology, 12:828, August 12	2, 1994.		
*			multiple nuclear factors that interact with cy			
	response element-binding protein and activating transcription factor-2 by protein-protein interactions. <i>Mol Enc</i> 5(2):256-66, Feb 1991.					
*			CpG methylation of the cAMP-responsive er	hancer/promoter sequence		
	X	TGACGTCA abolishes specific fa	ctor binding as well as transcriptional activat	ion. Genes Dev 3(5):612-9, May 1989.		
*			ics of an Antisense Phosphorothioate Oligode			
	Human Immunodeficiency Virus Type 1 in the Adult male Rate Following Single Injections and Continuous Infusion", Antisense Research and Development, (1994), 4:43-52					
*	+ -		nd associated changes in splenic leukocyte di	stribution. <i>J Immunol</i> 150(9):3713-27.		
	1	1 May 1993		2,5		
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FORM	1 PTO	-1449 (Modified IRADE MIRES	ATTY. DOCKET NO.	SERIAL NO		
LIST OF PATENTS AND			C1039/7021	09/337,619		
		IONS FOR APPLICANT'S				
11/	1FOKIV	MATION DISCLOSURE				
		STATEMENT				
			APPLICANT: Krieg			
			FILING DATE: June 21, 1999	<b>GROUP</b> 1617		
*	oc-	lipopolysaccharide, and other bact	n of the B lymphoma cell line WEHI-231 by erial products. <i>J Immunol</i> 137(7):2225-31, 1	Oct 1986.		
*	0	1991.	llular uptake of antisense oligonucleotides. A			
· C7			apeutid potential in Guinea-Pig Tumor M			
-	100		plexed with Poly-L-Lysine and Carboxy-	Methylcellulose", Jpn J. Med. Sci.		
*	1	Biol. 43:171-182, (1990)	quanylate to Scavenger Receptors Is Require	d for Oligonyelectides to Augment NV		
"	d		iochem., Vol. 116, 5:991-994, 1994.	a for Ongonuciconides to Augment NA		
.*			cleotides are effective in prevention of eosin	ophilic inflammation in a murine		
	de	model of asthma. J Invest Med 44(		-		
*	de	Kline JN et al., Immune redirection murine model of asthma. <i>J Invest I</i>	n by CpG oligonucleotides. Conversion of a Med 45(3):282A, 1997.	Th2 response to a Th1 response in a		
*	,		des can reverse as well as prevent Th2-media	ated inflammation in a murine model of		
	de	asthma. J Invest Med 45(7):298A, 1997.				
*	1	Klinman DM et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. <i>Proc Natl Acad Sci USA</i> 93(7):2879-83, 1996.				
C8	4-	Kolity I et al. "The Immunotherany of Human Cancer with Interleukin 2: Present Status and Future				
* -		Krieg AM, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA: J Lab Clin Med 128(2):128-33, 1996.				
*	de		eoxyribonucleotides by lymphoid cells is het	erogeneous and inducible. Antisense		
*			otide modifications determine the magnitude	of B cell stimulation by CpG motifs.		
	de	Antisense Nucleic Acid Drug Dev				
*			antisense phosphodiester oligodeoxynucleot			
	0		mproves efficacy", Proc. Natl. Acad. Sci., (1			
*	La	Krieg AM et al., "CpG DNA: A Pa   Immunology, (1995) 15:6:284-292	athogenic Factor in Systemic Lupus Erythem	iatosus F., Journal of Clinical		
*	+		Oligodeoxynucleotides: Antisense or Anti-	Protein?. Antisense Research and		
	1	Development, (1995), 5:241		100000000000000000000000000000000000000		
*	ó	Krieg AM et al., "Leukocyte Stimulation by Oligodeoxynucleotides", Applied Antisense Oligonucleotide Technology, (1998), 431-448				
*	de	Krieg AM et al., CpG motifs in bacterial DNA trigger direct B-cell activation. <i>Nature</i> 374:546-9, 1995.				
*	×	1998.	dinuleotides in DNA vaccines", Trends in I			
*	d	Journal of Immunology, Vol. 143,				
*	d	Kuramoto et al., "Oligonucleotide 83:1128-1131, November 1992.	Sequences Required for Natural Killer Cell	•		
<b>C</b> 9						
^ ^		1.11				

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FORM	I PTO	-1449 (Modified)	ATTY. DOCKET NO.	SERIAL NO	
	LIST	OF PATENTS AND	C1039/7021	00/227 610	
PUBI		IONS FOR APPLICANT'S	C1039/7021	09/337,619	
		IATION DISCLOSURE			
		STATEMENT			
			APPLICANT: Krieg	·	
			<b>FILING DATE</b> : June 21, 1999	<b>GROUP</b> 1617	
C10		Kuramoto, E., et al., "Changes o	f host cell infiltration into meth a fibrosar		
	L	regression induced by injections (1992)	of a BCG nucleic acid fraction", Int. I. Im	munopharmacol. 14:5:773-782,	
C11	1	Lacour, J., et al., "Clinical Trials	S Using Polyadenylic-Polyuridylic Acid as	an Adjuvant to Surgery in Treatin	
*			<b>Siological Response Modifiers</b> , 4:538-543, (1 uanine 8-Oxoadenine Base Pairs in the Cryst		
••	×	d(CGCGAATT(08A)GCG). Bioci	hemistry 31(36):8415-8420 1992	ai Structure of	
*			agonism of immunostimulatory CpG-oligod	eoxynucleotides by quinacrine	
	de	chloroquine, and structurally relate	ed compounds. J Immunol 160(3):1122-31, F	eb 1 1998.	
*	de	Mastrangelo et al. Seminars in Ond			
C12		Mashiba, H., et al., "In Vitro Au	gmentation of Natural Killer Activity of P	eripheral Bllod Cells From Cancel	
	X	Patients by a DNA Fraction From	m Mycobacterium Bovis BCG", Jpn J. Med	d. Sci. Biol., 41:197-202, (1988)	
*	,	Matson S and Krieg AM, Nonspec	ific suppression of [3H]thymidine incorporat	ion by "control" oligonucleotides.	
	2	Antisense Res Dev 2(4):325-30, W			
*	/		phorothioate oligonucleotide directed to the in		
	4		specific immune stimulation. Antisense Res I		
*	de		NA Structure on the <i>in vitro</i> Stimulation of N. Cellular Immunology, 147:148-157, 1993.	Iurine Lymphocytes by Natural and	
*		Messina et al. Stimulation of in vii	tra Murine Lymphocyte Proliferation by Bac	terial DNA / Immunal Vol 147	
	1	Messina et al., Stimulation of <i>in vitro</i> Murine Lymphocyte Proliferation by Bacterial DNA. <i>J. Immunol.</i> , Vol. 147, 6:1759-1764, September 15, 1991.			
*			of a Phosphorothioate Oligonucleotide Antis	sense Murine Endogenous Retroviral	
	2		n vivo in a Sequence-Specific Manner", Clina	ical Immunology and	
~10		Immunopathology, (1993), 67:2:13			
C13	الله ر	Morahan, P., et al., "Comparativ	ve Analysis of Modulators of Nonspecific R	Resistance Against Microbial	
	1	Resistance, 313-324, (1987)	gy of Infectious Diseases: Vaccine Adjuvant	is and Modulators of Non-Specific	
*			ated protein kinase from leishmania mexicana	a LmmCRK1 is post-translationally	
	de		Biol. Chem. 268:28, 21044-21052 (October 1		
*	1	New England BIOLABS 1988-1		· · · · · · · · · · · · · · · · · · ·	
*	1	Nyce JW and Metzger WJ. DNA a	ntisense therapy for asthma in an animal moo	del. <i>Nature</i> 385:721-725 20 Feb 199	
	de				
*	d	Pisetsky, D., "Stimulation of in vit Molecular Biology Repairs, (1993	ro proliferation of murine lymphocytes by sy	minetic oligodeoxynucleotides",	
*				othioate Oligonucleotide with	
	de		of Murine Lymphocyte Proliferation by a Phosphorothioate Oligonucleotide with pes Simplex Virus. <i>Life Science</i> , Vol. 54, pp. 101-107 (1994).		
*	ó		erties of DNA, The Journal of Immunology,		
*	~		ences of Nucleic Acid Therapy, Antisense Re	` ′	
*	4	(1995).		ьеш сп ини Developmeni, 5.219-225	
*					
C14	۲.	<b>2</b> 16, (1992) —	Antibodies in Cancer Therapy", Clinics in		
C15	2		erapy of Cancer by Systemic Administrat vical Response Modifiers, 3:501-511, (1984)		

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FORM	1 PTO	-1449 (Modified)	ATTY. DOCKET NO.	SERIAL NO		
	LIST	OF PATENTS AND	C1039/7021	09/337,619		
PUB	PUBLICATIONS FOR APPLICANT'S					
IN	<b>IFORM</b>	IATION DISCLOSURE				
		STATEMENT				
			APPLICANT: Krieg			
			FILING DATE: June 21, 1999	<b>GROUP</b> 1617		
C16	1 .	Rosenberg, S., et al., "Observation	ons on the systemic administration of auto	logous lymphokine-activated killer		
	100	Medicine, 113:23:1485-1492, (19	ns-2 to patients with metastatic cancer", T	he New England Journal of		
*	1		ry DNA sequences function as T helper-1-pro	omoting adjuvants. Nat Med		
	de	3(8):849-54, Aug 1997.				
*	2	Vol. 273, pp. 352-354, 1996.	IA Sequences Necessary for Effective Intrade			
*	4	iron chelators. Eur. J. Biochem., 2				
*	<b>†</b>	Schwartz DA et al., Endotoxin res J Physiol 267(5 Pt 1):L609-17, 19	oonsiveness and grain dust induced inflamma	ation in the lower respiratory tract. Am		
*	+		dotoxin in grain dust-induced lung disease. A	m J Resnir Crit Care Med		
		152(2):603-8, 1995.		•		
*	4	100(1):68-73, 1 Jul 1997.	bacterial DNA cause inflammation in the lov			
C17	1	Shimada, S., et al., "In Vivo Aug Fraction of BCG", <i>Jpn J. Cancer</i>	mentatio of Natural Killer Cell Activity W Res., 77:808-816, (1986)	ith A Deoxyribonucleic Acid		
*	2	Shirakawa T et al., The inverse ass 3 Jan 1997.	ociation between tuberculin responses and at	opic disorder. Science 275(5296):77-9,		
*	×	Sparwasser T et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. Eur J Immunol 27(7):1671-9, Jul 1997.				
*	de	Stein CA et al., Oligonucleotides a	s inhibitors of gene expression: a review. Ca	ncer Research, 48:2659-2668, 1988.		
C18	di	Stevenson, H., et al., "The Treatment of Cancer with Activated Cytotoxic Leukocyte Subsets", Artif Organs, 12:2:128136, 1988				
*	×	Vol. 12, 4:465-483, 1995.	nd Aptamer Nucleic Acid Drugs: Progress an	• •		
*	8	Subramanian et al., Theoretical Considerations on the "Spine of Hydration" in the Minor Groove of				
*	2		onucleotide complementary to a sequence in synthesis and inhibits immunoglobulin secret			
*		Thorne PS., Experimental grain dust atmospheres generated by wet and dry aerosolization techniques. <i>Am J Ind Med</i> 25(1):109-12, 1994.				
*	2	Tokunaga T et al., Synthetic Oligonucleotides with Particular Base Sequences form the cDNA Encoding Proteins of Myobacterium bovis BCG Induce Interferons and Activate Natural Killer Cells, Microbiol. Immunol., Vol. 36, 1:55-				
*			e-Stranded DNA, Ply (dG, dC), Induces Inter			
C19	×	7 11	nor Growth. <i>Jpn. J. Cancer Res.</i> , 79:682-686			
C19 =	12	I opanan, S., et al., "Expansion of Immunological Methods, 102:127	f human tumor infiltrating lymphocytes for 141, (1987)	or use in immunotherapy triais", J of		
C20	†	Torpey III, D., et al., "Effects of	Adoptive Immunotherapy with Autologou			
	tol		hocyte Subsets and Cytotoxic Activity, Cli	nical Immunology and		
-1-	"	Immunopathology, 68:3:263-272,		D 00.542 504 1000		
*	de		cleotides: A New Therapeutic Principle. Ch	emical Keviews, 90:543-584, 1990.		
14	413072	A D	A) 9/27,	/७७		

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	LIST	OF PATENTS AND	C1039/7021	. 09/337,619		
PUB		IONS FOR APPLICANT'S	C1039/7021	09/337,019		
l IN	NFORM	IATION DISCLOSURE				
		STATEMENT				
			APPLICANT: Krieg			
	·		FILING DATE: June 21, 1999	<b>GROUP</b> 1617		
C21	Τ,	Vogels, M., et al., "Use of Immur	ne Modulators in nonspecific Therapy of B			
_	To	Agents and Chemotherapy, 36:1:1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
*	0	Wagner RW, Gene inhibition using	g antisense oligodeoxynucleotides. Nature, 3	72:L333-335, 1994.		
*	,	Wallace et al., Oligonucleotide pro	bes for the screening of recombinant DNA li	braries. Methods in Enzymology,		
	W	152:432-442 (1987).	·	,		
*	d	Weiss R., Upping the Antisense Ar	nte: Scientists bet on profits from reverse gen	etics. Science, 139:108-109, 1991.		
*	×	Whalen R, DNA Vaccines for Eme 175, 1996.	orging Infection Diseases: What If?, Emerging	g Infectious Disease, Vol. 2, 3:168-		
C22	,		timulatory Oligodeoxynucleotides Contain			
	12		Therapy of Lymhoma", Blood, 89:8:2994			
*	L		gene delivery and expression in vivo. J. Biol.	,		
*	1	Wu-Pong S., Oligonucleotides: Opportunities for Drug Therapy and Research. <i>Pharmaceutical Technology</i> , 18:102-114, 1994.				
* -			teria, but not from vertebrates, induces interf	erons, activates natural killer cells and		
		inhibits tumor growth. Microbiol I				
*	de	Yamamoto S et al., <i>In vitro</i> augmentation of natural killer cell activity and production of interferon-alpha/beta and - gamma with deoxyribonucleic acid fraction from <i>Mycobacterium bovis</i> BCG. <i>Jpn J Cancer Res</i> 79:866-73, Jul 1988.				
*	X	69, 9:29-32, 1994.	Oligonucleotide Fraction Extracted from Myo	, i		
*	de	Yamamoto S et al., Unique Palindr Augment INF-Mediated Natural K	omic Sequences in Synthetic Oligonucleotid iller Activity. <i>J. Immunol.</i> , Vol. 148, 12:407	es are Required to Induce INF and 2-4076, June 15, 1992.		
*		Yamamoto T et al., Ability of Olig	onucleotides with Certain Palindromes to Inc	luce Interferon Production and		
	d	Augment Natural Killer Cell Activ 1994.	ity is Associated with Their Base Length. Ar	ntisense Res. and Devel., 4:119-123,		
*	1,		nthetic Oligodeoxyribonucleotide Having a			
	die	10:831-836, 1994.	rferon Production and Natural Killer Activity	•		
*	1		onucleotides with Certain Palindromes Stimu			
	X	<u> </u>	vitro. Jpn. J. Cancer Res., 85:775-779, 1994.			
*	1	Yi, Ae-Kyung et al., IFN-γ Promotes IL-6 and IgM Secretion in Response to CpG Motifs in Bacterial DNA and Oligonucleotides, <i>The Journal of Immunology</i> , pp. 558-564 (1996).				
*.	4	Yi, Ae-Kyung et al., Rapid Immun 5394-5402 (1996).	Yi, Ae-Kyung et al., Rapid Immune Activation by CpG Motifs in Bacterial DNA, The Journal of Immunology, pp.			
*	X		nucleotide uptake in murine bone marrow B-o	cell precursors. <i>Blood</i> 84(11):3660-6, 1		
*			lar binding and uptake of antisense phosphod	liester, phosphorothioate, and mixed		
-	0	phosphorothioate and methylphosphonate oligonucleotides. <i>Antisense Res Dev</i> 3(1):53-66, Spring 1993.				
C23						
	10	Transf. ,57:249-266, (1990)				
C24	, -		Acitivity of the DNA Fraction from Mycoba	acterium bovis BCG. II> Effects on		
1	∠ Various Syngeneic Mouse Tumors", JNCI, 74:3:681-688, (1985)					

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 08/738,652, filed October 30, 1996, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

**EXAMINER**